

METHOD FOR DISCOVERY AND ROUTING WITHIN MOBILE AD-HOC NETWORKS

ABSTRACT OF THE DISCLOSURE

5 A device scans its range for newly-discovered devices in a mobile ad-hoc network. Upon detecting a newly-discovered device, the two devices arbitrate how to synchronize their internal clocks. The devices then re-synchronize on schedule to enable data transmission. The devices may dynamically rearbitrate synchronization. The network as a whole is an emergent property of the peer-to-peer relationships between pairs of devices.